LakePower 25
Pure Hydrogen Fuel Cell System

- high stability
- Low noise
- Pollution-free
- Hot water production
- Low noise
- Low maintenance costs
- Small footprint
- Remote control

High performance

Rated power 25kW

IIndependently developed

Customized design and development based on customer needs

Accurate and controllable

High power density and small size

Features

- **High reliability and durability**

Adopting a vehicle grade fuel cell system with high reliability and a design life of up to 20000 hours

- **Simplified integration**

Can be freely paired with different specifications of hydrogen storage, lithium batteries, and PCS to meet the needs of different scenarios

- **On/off grid compatible**

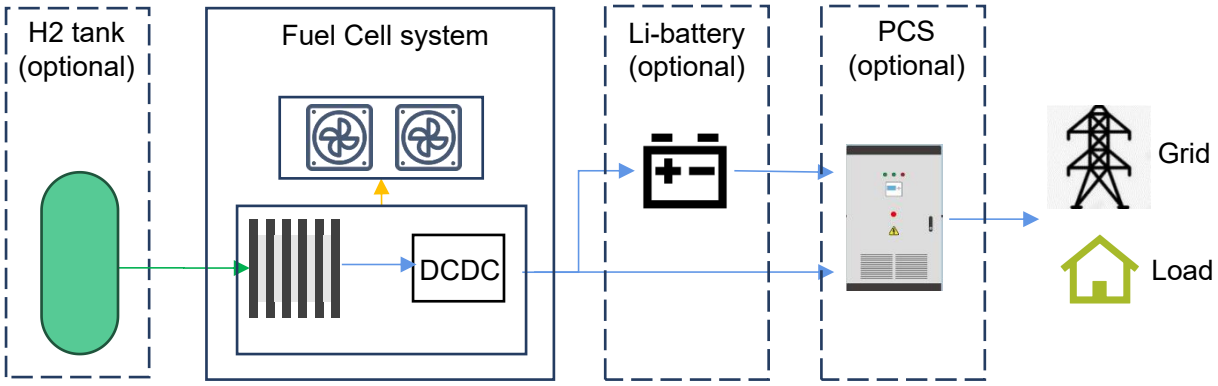
Equipped with lithium batteries and energy storage converters, it can support both grid connected and off grid use

- **Easy of capacity expansion**

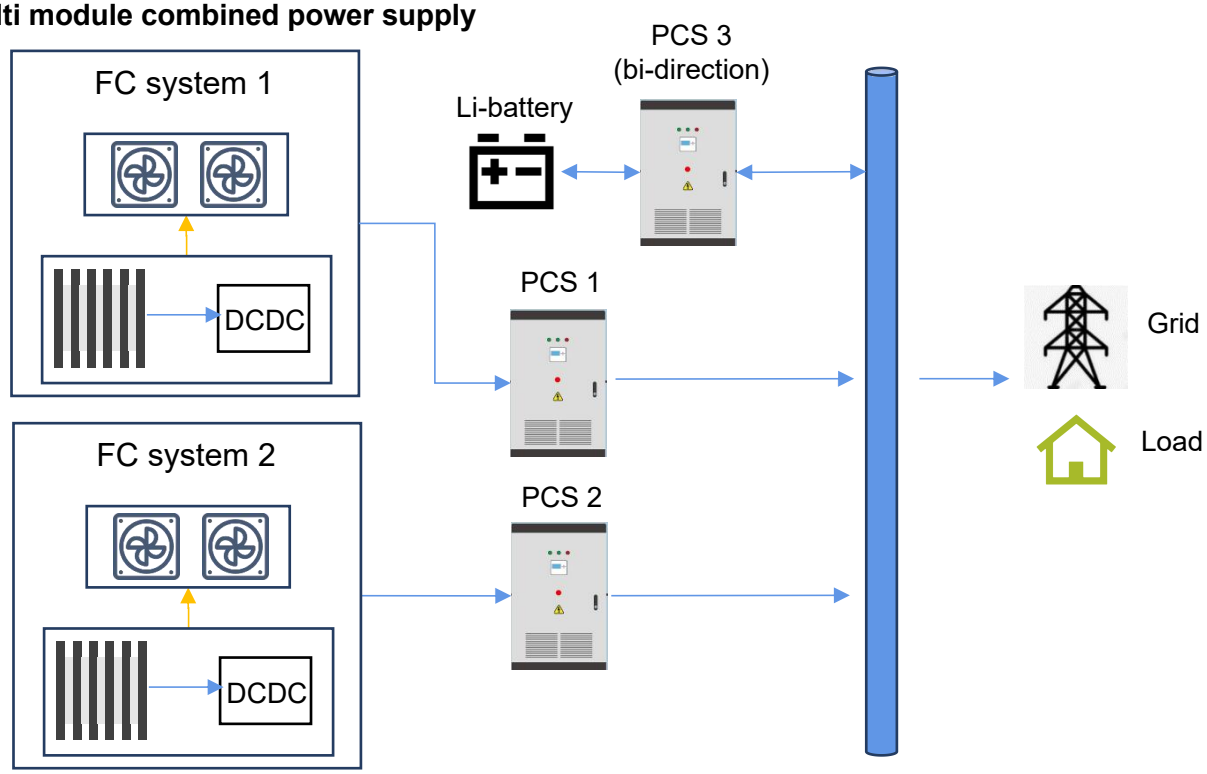
Multiple modules can be connected in parallel to expand system capacity

Application schematics

- **Single module AC power supply**



- **Multi module combined power supply**



项目	参数	说明
Net system power	25 kW	
Operating system voltage	400-700 VDC	
Operating system current	5-60 A	
Idle power	3kW	
Fuel cell stack power	-35℃ - +45℃	
Operating temperature	-35℃	
Minimum start-up temperature	-45℃ - +80℃	
Short-term	<1500 m	Lower power at high altitude
Operating altitude	<190×115×185cm (L×w×h)	Customizable container
Dimensions		
Fuel type	Gaseous hydrogen	
Fuel purity	> 99.99%, SAEJ2719	
Fuel supply pressure	1.3 – 1.6 MPa	
Fuel efficiency	45% @ 20kW	
Oxidant	Air	
Fuel mass flow	0.55 g/s	
Air mass flow	35.5g/s	
Coolant	Ethylene glycol 0%-50% vol. DI water	
Heat dissipation power	30kW	
Radiator coolant outlet temp.	70℃	
Control interface	CANbus	
DC-AC inverter	Energy storage type 30kW Max	Off grid mode requires lithium batteries
AC output voltage	380-400VAC, 50Hz, 3W+N	